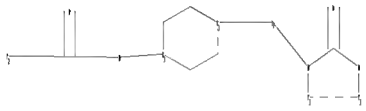
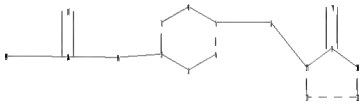
=>
Uploading C:\Documents and Settings\EBernhardt\My Documents\Stnexp\Queries\10589515-A.str





chain nodes :
8 14 15 16 17 19
ring nodes :
1 2 3 4 5 6 9 10 11 12 13
chain bonds :
2-15 5-8 8-13 9-14 15-16 16-17 16-19
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 9-10 9-13 10-11 11-12 12-13
exact/norm bonds :
1-2 1-6 2-3 2-15 3-4 4-5 5-6 5-8 8-13 9-10 9-13 9-14 10-11 11-12
12-13 15-16 16-17 16-19

G1:C,N

G2:O,N

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 19:CLASS
Generic attributes :
8:
Saturation : Unsaturated
Number of Carbon Atoms : less than 7
Type of Ring System : Monocyclic

```
L1      STRUCTURE UPLOADED

=> s l1
SAMPLE SEARCH INITIATED 13:21:17 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     1040 TO ITERATE

100.0% PROCESSED     1040 ITERATIONS                                 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:        18866 TO    22734
PROJECTED ANSWERS:               0 TO        0

L2            0 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 13:21:26 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    20152 TO ITERATE

100.0% PROCESSED    20152 ITERATIONS                                 2 ANSWERS
SEARCH TIME: 00.00.01

L3            2 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                178.82     179.03

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FILE COVERS 1907 - 29 Apr 2008  VOL 148 ISS 18
FILE LAST UPDATED: 28 Apr 2008  (20080428/ED)

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=> s l3
L4            1 L3
```
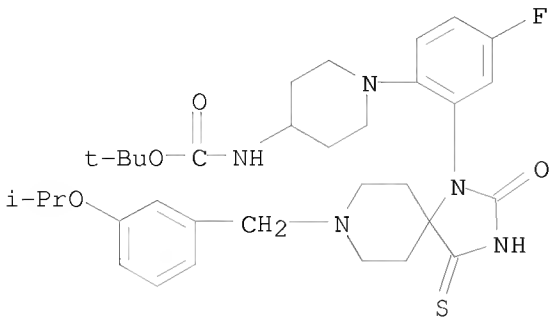
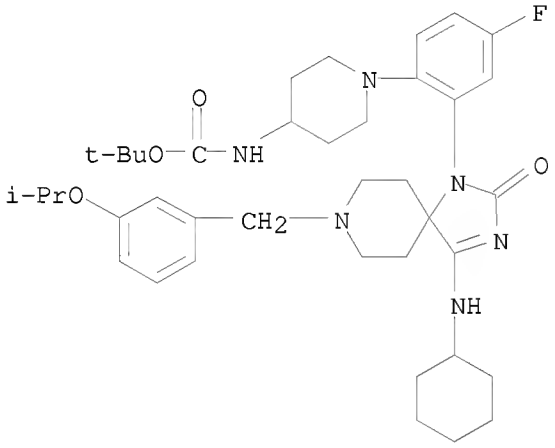

```
=> d l4

L4   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2008 ACS on STN
AN   2006:383818  CAPLUS
DN   144:432808
TI   Preparation of spiropiperidine compounds as β-secretase inhibitors
     for the treatment of Alzheimer's disease
IN   Barrow, James C.; Coburn, Craig A.; Egbertson, Melissa S.; McGaughey,
     Georgia B.; McWherter, Melody A.; Neilson, Lou Anne; Selnick, Harold G.;
     Stauffer, Shaun R.; Yang, Zhi-Qiang; Yang, Wenjin; Lu, Wanli; Fahr, Bruce;
     Rittle, Kenneth E.
PA   Merck & Co., Inc., USA; Sunesis Pharmaceuticals, Inc.
SO   PCT Int. Appl., 182 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.         DATE
     ---------------     ----   --------    --------------------    --------
PI   WO 2006044497        A2    20060427    WO 2005-US36752         20051012
     WO 2006044497        A3    20060908
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ,
             LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ,
             NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG,
             SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN,
             YU, ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
     AU 2005295814        A1    20060427    AU 2005-295814          20051012
     CA 2583342           A1    20060427    CA 2005-2583342         20051012
     EP 1804794           A2    20070711    EP 2005-812233          20051012
         R:  AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR
     CN 101068545         A     20071107    CN 2005-80034396        20051012
     US 20070197571       A1    20070823    US 2007-663388          20070321
     IN 2007CN01217       A     20070831    IN 2007-CN1217          20070323
PRAI US 2004-618420P      P     20041013
     WO 2005-US36752      W     20051012
OS   MARPAT 144:432808


=> d l4 hitstr

L4   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2008 ACS on STN
IT   885115-63-9P 885115-64-0P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation of spiropiperidine compds. as β-secretase inhibitors for
        treating Alzheimer's disease)
RN   885115-63-9  CAPLUS
CN   Carbamic acid, [1-[4-fluoro-2-[8-[[3-(1-methylethoxy)phenyl]methyl]-2-oxo-
```

4-thioxo-1,3,8-triazaspiro[4.5]dec-1-yl]phenyl]-4-piperidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 885115-64-0 CAPLUS
CN Carbamic acid, [1-[2-[4-(cyclohexylamino)-8-[[3-(1-methylethoxy)phenyl]methyl]-2-oxo-1,3,8-triazaspiro[4.5]dec-3-en-1-yl]-4-fluorophenyl]-4-piperidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.11	186.14

FILE 'REGISTRY' ENTERED AT 13:25:58 ON 29 APR 2008
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STRUCTURE FILE UPDATES: 28 APR 2008 HIGHEST RN 1017984-01-8
DICTIONARY FILE UPDATES: 28 APR 2008 HIGHEST RN 1017984-01-8

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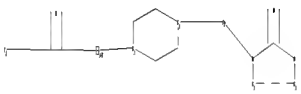
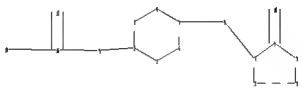
http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Documents and Settings\EBernhardt\My Documents\Stnexp\Queries\10589515-B.str





chain nodes :
8 14 15 16 17 19
ring nodes :
1 2 3 4 5 6 9 10 11 12 13
chain bonds :
2-15 5-8 8-13 9-14 15-16 16-17 16-19
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 9-10 9-13 10-11 11-12 12-13
exact/norm bonds :
1-2 1-6 2-3 2-15 3-4 4-5 5-6 5-8 8-13 9-10 9-13 9-14 10-11 11-12
12-13 15-16 16-17 16-19

G1:C,N

G2:O,N

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 19:CLASS
Generic attributes :
8:
Saturation : Unsaturated
Number of Carbon Atoms : less than 7
Type of Ring System : Monocyclic

L5 STRUCTURE UPLOADED

=> s l5
SAMPLE SEARCH INITIATED 13:26:24 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 18465 TO ITERATE

10.8% PROCESSED 2000 ITERATIONS 3 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 361163 TO 377437
PROJECTED ANSWERS: 238 TO 868

L6 3 SEA SSS SAM L5

=> s l5 sss full
FULL SEARCH INITIATED 13:26:31 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 367795 TO ITERATE

100.0% PROCESSED 367795 ITERATIONS 414 ANSWERS
SEARCH TIME: 00.00.04

L7 414 SEA SSS FUL L5

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 178.36 364.50

FILE 'CAPLUS' ENTERED AT 13:26:46 ON 29 APR 2008
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FILE COVERS 1907 - 29 Apr 2008 VOL 148 ISS 18
FILE LAST UPDATED: 28 Apr 2008 (20080428/ED)

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=> s l7
L8 1 L7

=> d l8 bib abs fhitstr

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2005:1004731 CAPLUS
DN 143:306337
TI Preparation of Mtp inhibiting aryl piperidines or piperazines substituted with 5-membered heterocycles
IN Meerpoel, Lieven; Backx, Leo Jacobus Jozef; Jaroskova, Libuse; Roevens, Peter Walter Maria; Van, Der Veken Louis Jozef Elisabeth; Viellevoye, Marcel; Linders, Joannes Theodorus Maria
PA Janssen Pharmaceutica N.V., Belg.; Meerpoel, Lieven; Backx, Leo Jacobus Jozef; Jaroskova, Libuse; Roevens, Peter Walter Maria; Van der Veken, Louis Jozef Elisabeth; Viellevoye, Marcel; Linders, Joannes Theodorus Maria
SO PCT Int. Appl., 120 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005085226	A1	20050915	WO 2005-EP51010	20050307
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2005219580	A1	20050915	AU 2005-219580	20050307
CA 2558506	A1	20050915	CA 2005-2558506	20050307
EP 1751131	A1	20070214	EP 2005-716940	20050307
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA,				

	HR, LV, MK, YU				
	CN 1930143	A	20070314	CN 2005-80007466	20050307
	BR 2005008514	A	20070814	BR 2005-8514	20050307
	JP 2007527897	T	20071004	JP 2007-502335	20050307
	KR 2007014121	A	20070131	KR 2006-716095	20060810
	US 20070191383	A1	20070816	US 2006-589515	20060816
	MX 2006PA10253	A	20070216	MX 2006-PA10253	20060908
	IN 2006DN05167	A	20070803	IN 2006-DN5167	20060908
	NO 2006004601	A	20061010	NO 2006-4601	20061010
PRAI	EP 2004-75771	A	20040310		
	US 2004-556336P	P	20040325		
	WO 2005-EP51010	W	20050307		

OS MARPAT 143:306337

GI

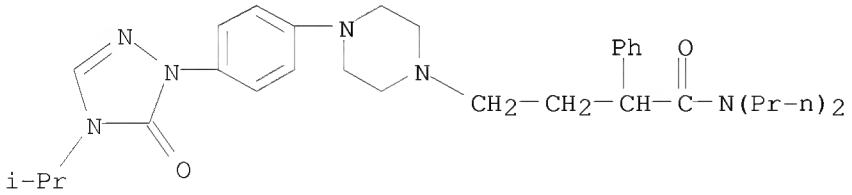
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [Z = (un)substituted -N=CH=, -CH=N-, -CH2CH2-, or -CH=CH-; X1 = C or N; at least one of X2 or X3 = N and the other equals CH or C when the dotted line represents a bond; or both X2 and X3 = N; R1 = (un)substituted alkyl, aryl, cycloalkyl, etc.; R2 = H, halo, alkyl; A = divalent carbon bridge or when X3 = CH, A may = NH which may be optionally substituted; B = (un)substituted amine, heterocycle, alkoxy, etc.], and their pharmaceutically acceptable salts, are prepared and disclosed as having apoβ secretion/MTP inhibiting activity and concomitant lipid lowering activity. Thus, e.g., II was prepared by reaction of III (preparation given) with Et α-phenylacrylate. Selected compds. of the invention possessed pIC50 values of 5.5-6.5 in assays studying inhibition of apoβ secretion. The invention further relates to methods for preparing pharmaceutical compns. comprising said compds. as well as the use of said compds. as a medicine for the treatment of hyperlipidemia, obesity and type II diabetes (Formula (I)).

IT 864928-10-9P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; Preparation of Mtp inhibiting aryl piperidines or piperazines substituted with 5-membered heterocycles)

RN 864928-10-9 CAPLUS

CN 1-Piperazinebutanamide, 4-[4-[4,5-dihydro-4-(1-methylethyl)-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]-α-phenyl-N,N-dipropyl- (CA INDEX NAME)



RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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=> file caold
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       5.93     370.43

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                      -0.80      -0.80

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FILE COVERS 1907-1966
FILE LAST UPDATED:  01 May 1997 (19970501/UP)

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  display formats.

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  more information.

=> d his

     (FILE 'HOME' ENTERED AT 13:20:04 ON 29 APR 2008)

     FILE 'REGISTRY' ENTERED AT 13:20:26 ON 29 APR 2008
L1             STRUCTURE UPLOADED
L2           0 S L1
L3           2 S L1 SSS FULL

     FILE 'CAPLUS' ENTERED AT 13:21:33 ON 29 APR 2008
L4           1 S L3

     FILE 'REGISTRY' ENTERED AT 13:25:58 ON 29 APR 2008
L5             STRUCTURE UPLOADED
L6           3 S L5
L7         414 S L5 SSS FULL

     FILE 'CAPLUS' ENTERED AT 13:26:46 ON 29 APR 2008
L8           1 S L7

     FILE 'CAOLD' ENTERED AT 13:27:15 ON 29 APR 2008

=> s l3
L9           0 L3
```

```
=> s l7
L10           0 L7

=> file chemcats
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.46     370.89

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -0.80

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FILE LAST UPDATED 26 APRIL 2008 (20080426/UP)

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SPRS, and HELP SPTZ.  For the list of current catalogs, enter
HELP CTA, HELP CTB, HELP CTC, HELP CTDH, HELP CTIL, HELP CTMN, HELP
CTOQ, HELP CTRS, and HELP CTTZ.

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and NEWS FILE for details.

=> s l3 or l7
             0 L3
             0 L7
L11          0 L3 OR L7

=> log h
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.94     371.83

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -0.80

 SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 13:27:52 ON 29 APR 2008
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